

L 27827-66 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AR6016194

SOURCE CODE: UR/0058/65/000/011/D026/D026

AUTHOR: Osipov, O. A.; Semenova, I. M.; Kogan, V. A.; Minkin, M. I.; Sokolov, V. L.

TITLE: Infrared spectra of gallium, indium, titanium, and tin chlorides with some organic ligands

SOURCE: Ref. zh. Fizika, Abs. 11D203

REF SOURCE: Tr. Komis. po spektrōskopii. AN SSSR, t. 3, vyp. 1, 1964, 76-83

TOPIC TAGS: spectrum analysis, chloride, IR spectrum, gallium, indium, titanium, tin

ABSTRACT: An infrared spectrum analysis was used for the study of the characteristics of interaction between gallium and indium chlorides with acetone, methylhexyl ketone, cyclohexanone, acetophenone, benzophenone, and some other oxygen-containing compounds. [Translation of abstract.]

56

B

SUB CODE: 07/ SUBM DATE: none

Card 1/1 PB

2

KOVALENKO, K.N.; MARKARYANTS, L.M.; SEMENOVA, I.M.

Electrochemical behavior of zinc and copper in foreign ion
solutions. Uch.zap.RGU no.60:57-64 '59. (MIRA 14:10)
(Zinc) (Copper) (Electrochemistry)

ASTAKHOV, V.I. (Moskva); ZYKOV, D.D. (Moskva); KOLYVAGIN, A.A. (Moskva);
SEMENOVA, I.M. (Moskva)

Calculating the distillation process on a computing machine. Izv.-
AN SSSR. Otd.tekh.nauk. Met.i topl. no.4:165-170 Jl-Ag '62.
(MIRA 15:8)
(Distillation, Fractional) (Calculating machines)

OSIPOV, O.A.; SEMENOVA, I.M.

Infrared spectra of the molecular compounds of indium
chlorides with nitrogen-containing organic substances.
Zhur. ob. khim. 33 no.3:720-724 Mr '63. (MIRA 16:3)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.
(Indium chloride)
(Nitrogen compounds---Absorption spectra)

SEMENOV, A.D.; SEMENOVA, I.M.; GONCHAROVA, I.A.; STRADOMSKAYA, A.G.;
DATSKO, V.G. [deceased]

Infrared spectra of humic acids in natural waters. Gidrokhim.
mat. 38:157-161 '64. (MIRA 18:4)

1. Gidrokhimicheskiy institut AN SSSR, Novocherkassk.

36509

S/121/62/000/005/002/002
D040/D113

10/1/VO

AUTHORS:

Geller, Yu.A., and Semenova, I.N.

TITLE:

Reducing the heat-treatment deformation of high-speed steel tools.

PERIODICAL: Stanki i instrument, no.5, 1962, 32-34

TEXT: The results of experiments with 100mm long and 5mm diam. P18 (R18) high-speed steel specimens are given. Heat treatment included heating to the usual 1275-1285°C, stepped quenching with brief holding at 550°C (as practiced at many Soviet plants) and holding at various lower temperatures, and quenching in a salt bath. Details of all treatment procedures are given. Deformation was judged by changes in the length of specimens due to martensitic transformation, for it was known from previous experience that the deformation of drills, taps, or reamers changes in direct proportion to changes in length. A slight increase in the content of

Card 1/2

GHELLER, I.A. [Geller, I.A.]; SEMENOVA, I.N.

Decreasing the deformation of rapid steel tools in thermal treatment. Analele metalurgie, 16 no.4:106-111 O-D. '62.

VYZHGINA, L.B.; SEMENOVA, I.N.; TYURINA, I.I.

Quadrics in hyperspace. Uch. zap. MOPI 123:491-507 '63.
(MIRA 17:4)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001547830001-2

RUMYANTSEVA, L.V.; SEMENOVA, I.N.

Quadrics in a quasi-affine space. Uch. zap. MGPI no.208:288-297
'63. (MIRA 17:6)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001547830001-2"

ROZENFEL'D, D.B.; GOLUBINSKAYA, K.P.; ZHURAVLEVA, N.M.; SEMENOVA, I.P.;
RYURIKOVA, L.N.; GUL'DYASHEVA, T.A.

Rapid laboratory diagnosis of colienteritis with the use of TTC
bouillon. Lab. delo 10 no.4:234-236 '64. (MIRA 17:5)

1. Sanitarno-bakteriologicheskiye laboratorii sanitarno-epidemiolo-
gicheskikh stantsiy Podol'ska, Noginska, Klina, Zagorska, Pushkino
Moskovskoy oblasti.

L 16703-66 EWP(m)/EWT(1)/EWA(1) WW
ACC NR: AP6003209

SOURCE CODE: UR/0382/65/000/004/0080/0084

AUTHOR: Lyubimov, G. A.; Semenova, I. P.

85

83

B

ORG: none

TITLE: Formulation of the problem of a viscose boundary layer on a cold electrode

SOURCE: Magnitnaya gidrodinamika, no. 4, 1965, 80-84

TOPIC TAGS: temperature dependence, Maxwell equation, current density, electrode, conducting gas, boundary layer flow, electric field, fluid flow, electric conductivity, conductive fluid 21, 44, 65

ABSTRACT: The effect of the axial electric field in the core of a fluid stream characterized by temperature-dependent electrical conductivity is investigated. In contrast to the results of other authors, it was found that cold electrodes in contact with the conducting gas cause a significant decrease of conductivity in the outermost regions. This phenomenon leads to the development of potential differences with amplitudes comparable to those of the applied field across the stream. To account for this effect, Maxwell's and Ohm's equations are solved for the associated current densities. It is shown that the resulting currents induce Joule heating

Card 1/2

UDC: 533.95 : 538.4

L 116703-66

ACC NR: AP6003209

2

which affects the flow. The characteristics of the flow are plotted for several ratios of the resistance of boundary layers to that of the inner layers. Heat transfer and friction are not considered, since the conventional approach is sufficient to estimate these effects. Orig. art. has: 3 figures, 7 formulas.

SUB CODE: 20/ SUBM DATE: 13Nov64/ ORIG REF: 001/ OTH REF: 001

Card 2/2 *not*

ACCESSION NR: AP404728

44728

S/0207/64/000/004/0118/0121

AUTHOR: Semenova, I. P. (Moscow)

TITLE: Stationary flow of anisotropic conducting fluid between parallel porous walls

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 4, 1964, 118-121

TOPIC TAGS: MHD flow, boundary layer mass injection, Reynolds number, conducting gas, plasma axial inhomogeneity, velocity profile / Strela computer

ABSTRACT: A Hartmann type flow between two parallel plates was analyzed (including Hall currents arising from anisotropic conductivity). The x,y axes are taken in the plane of the plates and the z-coordinate perpendicular to it. The flow is assumed to be in the x-y-direction under constant pressure gradients p_x and p_y and an external magnetic field $\vec{B} = B_0 \hat{e}_z$. Fluid is injected from the lower plate ($z = -a$) and sucked at the upper plate ($z = a$) at a constant rate w_0 . All magnitudes are assumed to depend on the z-coordinate with the following result

$$v(u, v, w_0), \quad B(B_x, B_y, B_z), \quad E(E_{x0}, E_{y0}, E_z), \quad J(J_x, J_y, 0)$$

Card 1/2

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001547830001-2

SEMENOVA, I.P. (Moscow)

"The influence of conductivity anisotropy and suction-injection on the viscous fluid flow in a magnetic field"

Report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow 29 Jan - 5 Feb 64.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001547830001-2"

SEMENOVA, I.P. (Moskva)

Steady flow of an anisotropic conducting liquid between
parallel porous walls. PMFT no.4;118-121 Jl-Ag '64.
(MIRA 17:10)

SEMINOVA, I.S.

Infectious nonspecific polyarthritis in children (Still's disease)
[with summary in English]. Pediatriia 36 no.3:80-87 Mr '58.
(MIRA 11:3)

1. Iz kafedry fakul'tetskoy pediatrii (zav.-prof. P.A.Ponomareva II
Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.
(JOINTS--DISEASES)

SELIMOV, M.A.; BOLTUCHIY, L.G.; SEMENOV^A, I.V.

Dynamics of virus-neutralizing antibodies in severely-bitten subjects and in gamma-globulin and anti-rabies immunized men. J.hyg. epidem., Praha 3 no.4:487-500 1959.

1. Moskauer J.I. Metschnikov Wissenschaftliches Forschungsinstitut
fur Sera und Impfstoffe, Moskau.
(RABIES immunol.)
(GAMMA GLOBULIN ther.)
VACCINATION

SIMONOVA, I. V., Aspirant --

"A Comparative Investigation of Production Processes and the Characteristics of Fullled Tricot Made on a Base of Unfigured Cloth Pressed and Covered with Interweaving." Cand Tech Sci, Moscow Textiel Inst, 29 Oct 54. (VM, 15 Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

SEMENOVA, I.V., kandidat tekhnicheskikh nauk.

New type of brushed knit made by multiple cam knitting machines.
Leg.prom. 16 no 4:26-28 Ap '56. (MLRA 9:8)
(Knitting, Machine)

SEMENOVA, K. A.

"The Role of Certain Nervous Mechanisms in the Pathogenesis of
Endarteritis Obliterans." Cand Med Sci, State Inst for the Advanced
Training of Physicians, Leningrad, 1953. (RZhBiol, No 6, Mar 55)

SO: Sum. No. 670, 29 Sep 55—Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions (15)

SEMELEV, S.F., professor; SEMENOVA, K.A.

Problem of motor-kinesthetic disorders in cerebral tumors.
Vop.neirokhir. 19 no.5:36-41 S-0 '55 (MLRA 8:11)

1. Iz psichiatricheskoy kliniki Krymskogo meditsinskogo
instituta imeni I.V.Stalina.
(MOVEMENT DISORDERS, etiology and pathogenesis
brain neoplasms)
(BRAIN, neoplasms,
causing movement disord.)

SEMENOVA, K.A.

Some pathophysiological mechanisms of transcortical aphasia. Zhur.
nevr. i psikh. Supplement:41 '57. (MIRA 11:1)

1. Klinika neyrokhirurgii (zav. - prof. V.L.Lesnitskaya) Krymskogo
meditsinskogo instituta.
(APHASIA)

SEMENOVA, K. A. (Moskva)

O vliyanii afferentnoy impul'satsii na stvolovyye obrazovaniya mozga i
v chastnosti na retikulyarnuyu formatsiyu u detey, stradayushchikh
tserebral'nymi paralichami

report submitted for the First Moscow Conference on Reticular Formation,
Moscow, 22-26 March 1960.

SEMENOVA, K.A.

Clinical aspects and treatment of infantile cerebral paralysis.
Zhur.nevr.i psikh. 60 no.7:829-835 '60. (MIRA 14:1)

1. Detskaya bol'nitsa imeni Shumskoy (glavnnyy vrach Z.S. Galimova)
i kafedra nervnykh bolezney (av. - prof. N.K. Bogolepov) II
Moskovskogo meditsinskogo instituta.
(POLIOMYELITIS) (ENCEPHALITIS)

SEMENOVA, K. A.

Birth trauma in the pathogenesis of cerebral circulatory disorders
and in the development of pathological conditions of the central
nervous system in children. Pediatrja no.11:11-17 '61.
(MIRA 14:12)

1. Is Tsentral'nego nauchno-issledovatel'skogo instituta gudebnoy
psichiatrii imeni Serbskogo (dir. - dotsent G. V. Morozov) i
detskoy bol'niцы imeni Shumskoy (konsul'tant - prof. N. K.
Bogolepov)

(BIRTH INJURIES)
(CEREBRAL PALSY)
(NERVOUS SYSTEM DISEASES)

SEMENOVA, K.A. (Moskva)

Some pathophysiological mechanisms of hyperkinesis. Vrach. delo
no.12:102-106 D '61. (МВА 15:1)

1. Kafedra nervnykh bolezney Vtorogo meditsinskogo instituta
(zaveduyushchiy - prof. N.K.Bogolepov) i detskay^е bol'nitsa
im. Shumskoy. (MOVEMENT DISORDERS)

GORDOVA, T.N.; SEMENOVA, K.A.

Clinical aspects of the residual states of so-called slight
closed craniocerebral trauma. Probl.sud.psikh. 11:27-49 '61.
(MIRA 16:3)

(BRAIN—WOUNDS AND INJURIES)

SEMENOVA, K.A.

Clinical aspect of residual states following para-infectious
encephalitis in children and adolescents. Probl.sud.psikh.
11:181-195 '61. (MIRA 16:3)
(ENCEPHALITIS) (PSYCHOSES)

SEMENOVA, K.A.; DOTSENKO, Ye.S.

Results of compound treatment of children with spastic
paralysis at the Yevpatoriya Health Resort. Vop.kur.,
fizioter. i lech. fiz. kul't. 27 no.5:409-412 S-0'62.
(MIRA 16:9)

1. Iz Yevpatoriyskogo detskogo kostnotuberkuleznogo voyennogo
sanatoriya (nachal'nik I.M.Pomeranskiy)
(CEREBRAL PALSY) (YEVPATORIYA--PHYSICAL THERAPY)

AFM 3000, 1.1.1.

Study of the vegetative nervous system in a group of chronic
reactive states. Probl. obshchei i sud. psikh. no.14:257-
266 '63. (MIRA 18:9)

SEMELEV, S.F.; MOROZOV, G.V.; SEMENOV, K.A.; KOZNETSOVA, N.I.; POPOVA,
N.N.; GLEBOV, V.S.

Clinical evaluation of the course of schizophrenia and other
neuropsychic diseases in patients with specific antibrain
antibodies in the blood. Probl. sud. psikh. no.13;5-18 '62.
(MIRA 18:9)

SEMENOVA, K.A.

Disorders of complicated forms of superficial and deep sensitivity
and the significance of these disorders in the pathogenesis of
cerebral paralysis. Zhur. nevr. i psikh. 65 no.12:1804-1809 '65.

(MIRA 19:1)

I. Kafedra nervnykh bolezney (zaveduyushchiy - prof. N.K. Bogolepov)
II Moskovskogo meditsinskogo instituta i TSentral'nyy nauchno-
issledovatel'skiy institut sudebnoy psichiatrii im. Serbskogo
(direktor - dotsent G.V. Morozov), Moskva. Submitted May 18, 1964.

SEMENOVA, K.A.; Chair of Neurology, 2nd Moscow Medical Institute, Head Prof N.K. BOGOLEPOV, and Central Scientific and Experimental Institute for Forensic Psychiatry, Prof SERBSKIJ, Director G.V. MOROZOV. [Original version not given].

"Pathogenesis of Infantile Cerebral Palsy in the Light of Treatment by Impulse Current."

Prague, Ceskoslovenska Neurologie, Vol 29, No 4, Jul 66, pp 225-233

Abstract [Author's English summary modified]: Disorders of the statokinetic reflexes and of muscle tonus are very important in infantile cerebral palsy. Disorders of afferentation are very important; they consist of kinesthesia, astereognosia, finger agnosia, and finger apraxia. A lowered excitability in the motor analyzer accompanies these symptoms. The patient forms motor reflexes with extreme difficulty. Impulse current inhibits proprioceptive afferent stimulation. Impulse current treatment resulted in an improvement of muscle tonus and motor functions. Best improvement was achieved in patients suffering from hyperkinesia. 1 Table, 9 Western, 23 Russian references. (Manuscript received 16 Jun 65).

1/1

- 37 -

IVANOVSKAYA, T.Ye.; SEMENOVA, K.L. (Moskva)

Pathological anatomy of congenital toxoplasmosis. Arkh.pat. 18 no.7:
92-100 '56.

(MLRA 10:1)

1. Iz putologoanatomiceskogo otdeleniya (nauchnyy rukovoditel' -
deystvitel'nyy chlen AMN SSSR prof. M.A.Skvortsov) Moskovskoy
detskoy klinicheskoy bol'nitsy No. 1 (glavnnyy vrach - zasluzhennyy
vrach RSFSR Ye.V.Prokhorovich)

(TOXOPLASMOSIS, pathology,
congen., histopathol. (Rus))

SEMENOVA, K. L., Cand Med Sci -- (diss) "Changes in ^{the} blood vessels of the lungs in congenital ^(heart defects in children) ~~vitamin A excess.~~" Rostov-on-Don, 1957. 19 pp (Rostov-on-Don State Med Inst), 200 copies (KL, 1-58, 121)

- 101 -

KIARNET, TS.Ye.; SEMENOVA, K.L.

Rare metastatic tumors of the brain. Vop.neirokhir. 21 no.6:57
N-D '57. (MIRA 11:2)

1. Klinika nervnykh bolezney i neyrokhirurgii i kafedra patologicheskoy anatomii Rostovskogo-na-Donu meditsinskogo instituta.
(BRAIN--TUMORS)

SEMINOVA, K. N.

"Blood Formation and Destruction of Blood in Some Cases of Respiratory Deficiencies,"
Klin. Med., 27, No. 5, 1949. Abbr., Faculty Therapeutic Clinic, 1st Leningrad Med.
Inst. im. I. P. Pavlov, -cl949-.

SEMENOVA, K.N.; CHERNORUTSKIY, M.V., zaveduyushchiy.

Role of protective inhibition in pathogenesis and treatment of ulcers.
Trudy Inst.fiziol. 1:519-533 '52. (MLRA 6:8)

1. Terapeuticheskiy sektor i Gospital'naya terapeuticheskaya klinika I
Leningradskogo meditsinskogo instituta. (Ulcers)

SEMEKOVA, K.N.

Sleep therapy of peptic ulcer. Trudy Inst. fiziol. 3:268-277 '54.
(MLRA 8:2)

1. Terapeuticheskij sektor i gospital'naya terapeuticheskaya klinika
1-go Leningradskogo meditsinskogo instituta. Zaveduyushchiy M.V.
Chernorutskiy.

(PEPTIC ULCER, therapy,

sleep)

(SLEEP, therapeutic use,
peptic ulcer)

BELYAYEVA, Z.V.; SEMENOVA, K.N.

Characteristics of vegetative-visceral changes during different stages of hypertension. Trudy Inst. fiziol. 7:299-303 '58. (MIRA 12:3)

1. Terapevticheskiy sektor (zav. - M.V. Chernorutskiy [deceased].
Instituta fiziologii im. I.P. Pavlova AN SSSR.
(HYPERTENSION)

BELYAYEVA, Z.V.; SEMENOVA, K.N.

Forms of hypertension combined with ulcers. Trudy Inst. fiziol. 7:
304-309 '58. (MIRA 12:3)

1. Terapeuticheskiy sektor (zav. - M.V. Chernorutskiy [deceased]
i Gospital'naya terapeuticheskaya klinika I Leningradskogo meditsin-
skogo instituta.
(HYPERTENSION) (STOMACH--ULCERS)

SEMENOVA, K.N.; BELYAYEVA, Z.V. (Leningrad)

Comparative data on the therapeutic efficacy of sleep-induced inhibition in hypertension and peptic ulcer. Klin.med. 36 no.2: 33-40 F '58.

(MIRA 11:4)

1. Iz terapevticheskogo sektora Instituta fiziologii imeni I.P. Pavlova AN SSSR (zav. - deystvitel'nyy chlen AMN SSSR prof. M.V. Chernorutskiy)

(HYPERTENSION, ther.
sleep ther. (Rus))

(PEPTIC ULCER, ther.
same)

(SLEEP, ther. use
hypertension & peptic ulcer (Rus))

SEMENOVA, K.S.

Result of small-dose aminazine therapy [with summary in French].
Zhur.nevr. i psikh. 58 no.10:1183-1186 '58 (MIRA 11:11)

1. 3-ya Leningradskaya psikhoneurologicheskaya bol'nitsa imeni
Skvortsova-Stepanova (glavnnyy vrach N.D. Bulkin).

(CHLORPROMAZINE, ther. use.
ment. disord., small dose technic (Rus))
(MENTAL DISORDERS, ther.
chlorpromazine, small dose (Rus))

(SOV/25-59-7-46/53

AUTHOR: Semenova, L.

TITLE: A Report From the XXI Century

PERIODICAL: Nauka i zhizn', 1959, Nr 7, pp 74-75 (USSR)

ABSTRACT: The article gives a book review on the new publication "A Report From the XXI Century" by Mikhail Vasil'yev and Sergey Gushchev published in 1958 by the Sovetskaya Rossiya Publishing House, Moscow. The book contains 29 interviews with the most prominent Soviet scientists on the future developments in both science and technology. The following scientists give their views on the future developments: Academician Aleksandr Nikolayevich Nesmeyanov, President of the Akademija nauk SSSR (AS USSR), Academician Ivan Pavlovich Bardin, Professor Georgiy Iosifovich Pokrovskiy, Ivan Semenovich Garkusha, Director of the Nauchno-issledovatel'skiy institut "Podzemgaz" ("Podzemgaz" Research Institute), and his deputy Nikolay

Card 1/2

SOV/25-59-7-46/53

A Report From the XXI Century

Anan'yevich Fedorov, Mikhail Gerasimovich Anan'yev,
Director of the Institut eksperimental'noy khirurgicheskoy
apparatury i instrumenta (Institute of Experimental
Surgical Apparatus and Instruments), Academician Semen
Isaakovich Vol'fkovich, Professor A.R. Zhebrak, and
Corresponding Member of the Akademiya nauk SSSR (AS USSR)
L.A. Zenkevich. There is 1 reduced cover reproduction
and 1 Soviet reference.

Card 2/2

USSR/Human and Animal Physiology - Circulation.

v-4

Abs Jour : Ref Zhur - Biol., No 4, 1958, 18139

Author : R.G. Mezhebovskiy and L.A. Semenova

Inst : The Chkalov Medical Institute.

Title : Regulation of Coronary Circulation in Patients with
Hypertensive Disease.

Orig Pub : Tr. Chkalovskogo med. in-ta, 1956, No 5, 38-49

Abstract : A study was made of the EKG of 100 patients with hypertensive disease (in the neurogenic and transitional stages); 40 individuals were repeatedly examined after sleep treatment. Following exertion, disturbances in coronary circulation were observed in 59 patients, who suffered primarily from exertion stenocardia. This is explained by the disturbance to central and peripheral regulation of coronary circulation and the development of coronary sclerosis.

Card 1/2

Card 2/2

Semenova, L.

137-58-3-5109

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 92 (USSR)

AUTHOR: Semenova, L.

TITLE: Simultaneous Drawing of Two Rods (Odnovremennoye volo-
cheniye dvukh prutkov)

PERIODICAL: Vestn. tekhn. inform. M-vo trakt. i s.-kh. mashinostr.
SSSR, 1957, Nr 3, pp 28-29

ABSTRACT: Design changes in rod-gripping jaws and in draw plate
holders made it possible to draw two rods simultaneously on
the 8 t wire-drawing machine of the "Krasnaya zvezda" (The
Red Star) plant; this, in turn, increased the productivity of
such machines by 1.5-2 times.

S.G.

Card 1/1

on 165

An Investigation of the Phase Composition of Iron-Vanadium
and Iron-Chromium Alloys 20-119-3-27/65

modification of the properties which does not correspond to the single-phase structure of the solid solution was observed also above the transformation temperature from σ - into the α -phase (ref. 6,7). It is difficult to be explained by the atomic regulation which is assumed at low as well as at high temperatures by several authors (ref 7). In the present paper the structure of the alloys in question was to be investigated after a heating between 1400 and 600°C with quenching in water. The investigation was carried out by means of X-ray diffraction methods in the polycrystal and by means of microscopical analysis. The alloys were homogenized after casting at 1300°C from 20 to 100 hours and immediately afterwards quenched in water.

Structure of the iron-vanadium-alloys. The radiographs of the powder obtained by means of a file were taken with a chromium radiation. After a homogenization at 1300°C these alloys are (with a vanadium content of 28,5-74 %) not single-phase, but two-phase. It was proved microscopically that on a background of the crystals of the α -phase

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An Investigation of the Phase Composition of Iron-Vanadium and Iron-Chromium Alloys

20-119-3-27/65

microscopical and radiographic investigation showed that the alloys with 35, 42 and 48 % Cr consist of the α - and β -phase crystals in the case of annealing at 1300°C. The amount of the β -phase decreases with dropping temperature (figure 1,2). In the chromium-iron-alloys with 35-48 % Cr the phase transformations consist of a polymorphous transformation of the γ - into the α -phase as well as of the α - into the β -phase, exactly as it was the case with the above mentioned vanadium.

There are 3 figures and 7 references, 2 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University imeni M. V. Lomonosov)

PRESENTED: November 12, 1957, by A. A. Bochvar, Member, Academy of Sciences, USSR

SUBMITTED: November 12, 1957

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67807

SOV/180-59-5-24/37

AUTHORS: Zakharova, M.I., Semenova, L.A., and Stetsenko, P.N.
(Moscow)

TITLE: Phase Transformations in the System Iron-Vanadium

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh
nauk, Metallurgiya i toplivo, 1959, Nr 5, pp 135-138 (USSR)

ABSTRACT: The deterioration of the properties of Fe-V alloys which follows the separation of the σ -phase on cooling has attracted considerable attention. In the present work an investigation was made of the structure of alloys of Fe with 27 and 47.7 weight % V after annealing followed by hardening from various temperatures. X-ray and microscopic analysis and measurement of magnetic properties were used. Both alloys were found to have a two-phase structure, the quantity of second phase being greater for a 1400 than a 1250 °C hardening temperature. The magnetic properties likewise indicate (Figs 1 and 2) show these as functions of temperature for various conditions, that the two-phase is the equilibrium structure at temperatures above the α - σ transition point. X-ray analysis pointed to the existence of a new phase, rapidly disappearing at 975 °C. The authors studied ✓

Card
1/2

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SOV/180-59-5-24/37
Phase Transformations in the System Iron-Vanadium

conditions for the formation of this new (β) phase. The quantity of α -phase in the 47.7 and 27% V alloy was found by Neschvolodov's method to be 35 and 10% respectively. The magnetic properties of the low- and high-vanadium alloys annealed at 1350 °C for 60 hours are shown as functions of temperature in Figs 3 and 4, respectively. The work shows that there are two polymorphic changes (β - α and α - γ) in the Fe-V alloys, both proceeding slowly in the 1000-1300 °C range. The β -phase has a Curie point of about 200 °C and crystallizes in a cubic face-centered lattice.

There are 4 figures.

Card
2/2

ASSOCIATION: Otdeleniye stroyeniya veshchestva fizicheskogo fakul'teta MGU
(Structure of Matter Department, Faculty of Physics,
MGU)

SUBMITTED: March 28, 1958

PAGE I. BOOK INFORMATION

307/4164

Взаимодействие редкоземельных элементов с сплавами редких металлов. Изд. Москва, 1957
Редкоземельные сплавы. (Rare Metals and Alloys: Transactions of the
First All-Union Conference on Rare-Metal Alloys) Moscow, Metallurgizdat, 1960.
436 p., 1,150 copies printed.

Sponsoring Agency: Akademija nauk SSSR. Institut metalurgii; USSR
Editor: po redakcii metalliz. per. nauchno-tekhnichesk. knizhki.

Ed. I. F. Sapozhnikov Ed. of Publishing House: O.M. Konyavina; Tech. Ed.:
F.P. G. Isachenkov.

PURPOSE: This collection of articles is intended for metallurgical engineers,
physicists, and workers in the machine-building and radio-engineering industries.
It may also be used by students of schools of higher education.

CONTENTS: The collection contains technical papers which were presented and discussed at the First All-Union Conference on Rare-Metal Alloys, held in the Institute of Metallurgy, Academy of Sciences USSR in November 1957. Results of investigations of rare-metal alloys, titanium and copper-base alloys with additions of rare metals are presented and discussed along with investigations of rhodium, vanadium, niobium, and their alloys. The effect of rare-earth metals on properties of magnesium alloys and steels is analyzed. The uses of rhodium as a deoxidizing catalyst, electroplating material, and material suitable for making plating for automobile electrical systems are discussed. Also, the effect of the addition of certain elements on the properties of heat-resistant, semiconductive alloys is examined and alloys with special physical properties (particularly non-conductive alloys) are discussed. No personalities are mentioned. Soviet and non-Soviet references abound in each of the articles.

PAGE II. TITANIUM AND COPPER-BASE ALLOYS WITH RARE-METAL ADDITIONS

Rare Metals (Cont.)

307/4164

- Kuznetsov. Study of the Effect of Rare-Earth Elements on Physico-mechanical Properties of Chromium-Nickel-Hydrogen Steel. 283
Lobatchev, P. D. and A. F. Trubitsyn. Effect of Cerium Additions on Properties of Chromium-Nickel-Hydrogen Steel Used for Gated Castings 303
Semenov. In: Rare Elements as Alloying Additions to High and Low Steel. 314
Krivitsky, G. I. and A. A. Rostislav. Effect of Rare-Earth Elements on Certain Properties of Constructional Steels. 325
Kaneko, Ikuo, and K. Yamashita. Effect of Small Additions of Cerium, Barium, and Calcium on Properties of Heat-Resistant Steels. 333
Scribner, G. L., and G. A. Formanow. Effect of Zirconium on Properties of Steel. 343

Card 7/8

MEZHEBOVSKIY, R.G.; SEMENOVA, L.A.

Disorders of the coronary circulation in rheumatism. Sov. med. 25
no.11:3-7 N '61. (MIRA 15:5)

1. Iz gospital'noy terapeuticheskoy kliniki (zav. - prof. R.G.
Mezhebovskiy) Orenburgskogo meditsinskogo instituta.
(RHEUMATIC HEART DISEASE)

MEZHEBOVSKIY, R.G.; SEMENOVA, L.A.

Effect of cortisone on the myocardium and coronary circulation. Terap. arkh. 34 no.12:32-38 D'62. (MIRA 16:6)

1. Iz gospital'noy terapeuticheskoy kliniki (zav. - prof. R.G.Mezhebovskiy) Orenburgskogo meditsinskogo instituta.
(CORTISONE) (RHEUMATIC HEART DISEASE)
(CORONARY VESSELS)

MIKAYELYAN, A.L.; SEMENOVA, L.A.

Anatomical forms of stenosis of the aortic orifice. Zhur.
eksp. i klin. med. 3 no.1:19-24'63. (MIRA 16:10)

1. Institut eksperimental'noy biologii i meditsiny Sibirskogo
otdeleniya AN SSSR.
(AORTA -- DISEASES)

PUDOVIK, A.N.; MOSHKINA, T.M.; KRUPNOV, G.P.; BUKIN, A.I.; SEMENOVA, L.A.;
Prinimali uchastiye: KOSTYUKOVA, L.A., laborant; PETROVA, M.G.,
laborant; TEMIRBAYEV, A.M., inzh.; FAIZULLIN, A.Yu., inzh.; POLOZOVA,
L.P., laborant; NAZAROVSKAYA, G.V., laborant

Synthesis and study of organophosphorus plasticizers for the tri-
acetate film bases. Trudy NIKFI no.46:17-25 '62.

(MIRA 18:8)

MASLOV, V.A., inzh.; SEMENOVA, L.A., inzh.

Corrosion resistance of welded, 08Kh13 steel, joints. Svar.proizv.
no.2:34-37 F '64. (MIRA 18:1)

J. Sumskoy mashinostroitel'nyy zavod im. M.V.Frunze.

ZENCHENKO, M.A.; PETSYNA, Z.N.; SEMENOVA, L.A., starshiy nauchnyy sotrudnik

Nonwoven filter fabrics made from chlorine. Tekst. prom. 24 no.9:
43-45 S '64. (MIRA 17:11)

1. Nachal'nik otdela netkanykh tekstil'nykh materialov Kalininskogo nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti (KNIITP) (for Zenchenko). 2. Zaveduyushchiy laboratoriyy netkanykh tekstil'nykh materialov Kalininskogo nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti (for Petsyna). 3. Otdel netkanykh tekstil'nykh materialov Kalininskogo nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti (for Semenova).

SEMENOVA, L.A.

Myofibrils accompanying experimental dystrophic and necrobiotic changes
of the myocardium. Dokl. AN SSSR 162 no.5:1175-1176 Je '65. (MIRA 18:7)

1. Institut tsitologii i genetiki Sibirskogo otdeleniya AN SSSR. Sub-
mitted August 28, 1964.

L 10185-66 EWT(m)/EWP(j) RM

ACC NR: AP5028480

SOURCE CODE: UR/0286/65/000/020/0064/0064

AUTHORS: Moshkina, T. M.; Pudovik, A. N.; Krupnov, G. P.; Bukin, A. I.; Semenova, L. A.

ORG: none

TITLE: Method for obtaining plasticized ester-cellulose films, for instance, triacétate cellulose films. Class 39, No. 175646^{1/5} announced by All-Union Scientific Research Motion Picture Institute (Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut)

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 64

TOPIC TAGS: polymer, plasticizer, plastic compound, plastic material, plastic, film

ABSTRACT: This Author Certificate presents a method for obtaining ester-cellulose films, for instance, triacetate cellulose films, by introducing esters of polybasic acids into a solution of cellulose triacetate. To increase the variety of plasticizers, esters of phosphoacetic acid are used as the plasticizing agent.

SUB CODE: 11/ SUBM DATE: 13Jun64

Card 1/1

UDC: 678.544.43 678.049.13.002.2

DEMENOV, L. I.

Mechanism of staining injured myocardial fibers by the Selye
method. Izv. SG AN SSSR no.12; Ser. biol.-med. nauk no.3;
137-140 '64. (MIRA 18:6)

L. Otdel eksperimental'noy biologii i patologii Instituta
tsitologii i genetiki Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

L 04095-67 EWP(j)/EWT(l)/EWT(m)/T IJP(c) RM

ACC NR: AR6023276

SOURCE CODE: UR/0058/66/000/003/D124/D124

AUTHOR: Pudovik, A. N.; Moshkina, T. M.; Krupnov, G. P.; Bukin, A. I.; Semenova, L. A.

TITLE: Plastification of triacetate celluloid films by mixed phosphoric-acid ethers

SOURCE: Ref zh. Fizika, Abs. 3D1028

REF SOURCE: Tr. Vses. n.-i. kinofotoin-ta, vyp. 52, 1965, 5-16

TOPIC TAGS: photographic film, plasticizer

ABSTRACT: The authors investigated the plastification of triacetate films by mixing phosphoric-acid ethers. It is shown that at least some diphosphates of diethylene glycol result in better mechanical film properties than the previously used mixture of triphenyl phosphate and dibutyl phthalate. However, in the presence in them of aliphatic radicals, their compatibility with the film deteriorates with increasing length of the radical. To improve the compatibility, one can introduce cyclic radicals, Cl atoms, and alcoxyl groups into the ether groups. The most effective for the compatibility are the latter, and they also improve noticeably the physical and mechanical properties of the films. A. Karuzhanskiy. [Translation of abstract]

SUB CODE: 14

kh

Card 1/1

L 3270-66 ENT(m)/EPF(c)/EPF(n)-2/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c)
IJP(c) MJW/JD/WW/HM/HW/JG/WB

ACC NR: AP5025611

UR/0135/65/000/010/0032/0034
621.791.052.016:669.15-194

54
B

AUTHOR: Maslov, V. A. (Engineer); Semenova, L. A. (Engineer)

TITLE: Corrosion resistance of the welded joints of OKh13 (EI496) chromium steel in certain media

SOURCE: Svarochnoye proizvodstvo, no. 10, 1965, 32-34

TOPIC TAGS: chromium steel, arc welding, corrosion resistance, ammonia, carbonate, sodium compound

ABSTRACT: OKh13 chromium steel warrants consideration as a substitute for nickel steels of the 18-8 type (containing 8-10% Ni) in the manufacture of equipment for the chemical, petroleum and other branches of industry. Since, however, the information about its corrosion resistance is relatively limited, the authors investigated this factor for manually and automatically welded joints of this steel as a function of the concentration of different chemicals as well as of temperature. To this end, 60x20x10 mm specimens were cut out of the welded joints of this steel, degreased, weighed, and placed in a reaction vessel with the corrosive medium, with subsequent removal and new weighing. Findings: The corrosion rate of the welded joints of OKh13 chromium steel is virtually identical with that of the base metal and is unaffected by the welding method (automatic submerged arc welding, manual V-welding, etc.)

Card 1/2

L 3270-66

ACC NR: AP5025611

OKh13 steel may be used in the manufacture of apparatus operating in solutions with NH₃ concentrations of up to 28%, (NH₄)₂CO₃ concentrations of up to 37%, NH₄HCO₃ concentrations of up to 17.5% at a temperature of 20°C; NaNO₃, up to 47% at the temperature of its boiling point; NaOH and KOH, up to 50% at 80°C, and in the solutions of NaOH up to 20% at the temperature of its boiling point. Orig. art. has: 1 figure, 2 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: MM, GC

NO REF Sov: 003

OTHER: 000

Card 2/2

YEREMEYEV, V. G.; SEMENOV, L. A.

Contracture of the muscular segments of the myocardium as a manifestation of its dystrophic changes. Izv. SSSR po Zdravookhraneniyu i meditsine no. 12. 1965.

(MIR 18:3)

A. N. Dzher. Akademicheskaya biologiya i patologiya Instituta fiziologii i gerentiki Sibirskego otdeleniya AN SSSR, Novosibirsk.

L 44416-66 EWT(m)/EWP(j)/T RM

ACC NR: AP6019824 (4) SOURCE CODE: UR/0342/66/000/002/0049/0051

AUTHOR: Semenova, L. A., (Senior Research Associate); Yermakova, T. D.,³²
(Engineer); Pankov, V. A. (Physician)²⁵
^B

ORG: [Semenova] KNIITP; [Yermakova; Pankov] NIEKhAil

TITLE: Nonwoven textiles for medical use

SOURCE: Tekstil'naya promyshlennost', no. 2, 1966, 49-51

TOPIC TAGS: medical supply, medical research facility, dressing fabric

ABSTRACT: The authors discuss the use of nonwoven textiles for medical purposes. The properties of nonwoven textiles made from chlorine fiber and the tests made with samples produced are described in detail. The authors indicate that exhaustive clinical tests are needed before the problem of their further use is decided. The authors also describe the properties of nonwoven materials made from a blend of natural and chemical fibers for bandages, contoured dressings and
²²

Card 1/2

UDC: 677.066:61.001.5

RUDENSKAYA, L.F. i V.D. KAFANOV, L.P.

Evaluating the physical state of asphaltic mixture i neftekhim.
no.9:19-15 1980
(MIRA 17:8)

? . Monkovskiy automobileno-dorozhnyj institut.

SEMENOVA, L. G.

USSR/Chemistry - Organophosphorus Compounds

May 52

"Some Properties of Alpha-Hydroxyalkylphosphonic Acid Esters," V. S. Abramov,
L. P. Semenova, L. G. Semenova, Kazan Chem Tech Inst imeni S. M. Kirov

"Dok Ak Nauk SSSR Vol 84, No 2, pp 281-284

Authors find the C - P bond in alkylphosphonic acid esters is very stable. Note that esters of alpha-hydroxyalkylphosphonic acids, however, readily undergo fission of the C - P bond in alk solns to form ketones or aldehydes. The methyl and ethyl esters of alpha-hydroxybenzylphosphonic acids formed dimethyl and diethyl phosphorous acids, resp. Distn of alpha-hydroxyalkylphosphonic acid esters is accompanied by a partial decomn. A Therman equil exists between alphahydroxyalkylphosphonic acid esters and the materials from which they were synthesized. (aldehydes or ketones and dialkylphosphorous acids). States that, under distn, this equil is apparently shifted to the side of the starting materials. Heating of the ethyl ester of alpha-hydroxy-alpha-methylbenzyl-phosphonic acid results in its decompn to diethylphosphorous acid and acetophenone.

Presented by Acad A. Ye. Arbuzov 10 Mar 52

231T4

SEMEKOVA, L.G.

Some characteristics of the duration of frosts in Leningrad
Province. Trudy GGO no. 91:95-106 '60. (MIRA 14:1)
(Leningrad Province--Frost)

GOLUBOVA, T.A.; ROMANOVA, Ye.N.; ATKHIPOVA, Ye.P.; GLEBOVA, M.Ya.;
MISHCHENKO, Z.A.; GOL'TSEBERG, I.A., doktor geogr. nauk;
SEMENOVA, L.G.; SHATILINA, M.K., red.; SERGEYEV, A.N., tekhn.
red.

[Microclimate of hilly relief and its effect on farm crops] Mikro-
klimat kholmistogo rel'efa i ego vliyanie na sel'skokhozistven-
nye kul'tury. Pod red. I.A.Gol'tsberg. Leningrad, Gidrometeo-
izdat, 1962. 249 p. (MIRA 16:2)

1. Leningrad. Glavnaya geofizicheskaya observatoriya.
(Microclimatology) (Crops and climate)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001547830001-2

SEMENOVA, L.G.

Determination of the location of stations by their thermal
regime. Trudy GGO no.180:123-136 '65. (MIRA 18:9)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001547830001-2"

SEMEKOVA, L.G.; SOLOMATINA, I.I.

Some results of microclimatic observations on rugged ground.
Trudy GGO no.138:38-41 '63. (MIRA 17:2)

KRAKHMAL'NIKOVA, G.A.; KIRENKOV, I.I.; Prinimali uchastiye: LEYKUM, V.Ye.;
FEDOROV, Ye.V.; UGOL'NIKOV, V.I.; SEMENOVA, L.I.

Spectropyrometric unit designed by the All-Union Research Institute
of Metrology. Izm.tekh. no.5:18-19 My '62. (MIRA 15:6)
(Pyrometers)

CEMENOVA, I. K.

CEMENOVA, I. K. -- "The Anatomy and Pattern of the Formation of the Anterior Stomach Wall and Certain Organs of the Abdominal Cavity in Relation to Age and Individual Variability." Acad of Pedagogical Sciences RSFSR, Sci Res Inst of Physical Education and School Hygiene, Moscow, 1956. (Dissertations for the Degree of Doctor of Medical Sciences.)

KNIZHNAЯ LETOPIS
No. 41, October 1956

USSR / Human and Animal Morphology (Normal and Pathological).
Muscles.

S

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 2977

Author : Semenova, L. K.

Inst : Not given

Title : Development of Functionally Different Skeletal Muscle
Groups in Humans in Relation to Age

Orig Pub : V sb.: Probl. funktzion. morfol. dvigatel'n. apparata.
L., Medgiz, 1956, 125-128

Abstract : The development of the musculature of the upper and lower extremities and diaphragm during the intrauterine period and also after birth takes part in an asynchronous manner. In the prenatal period the changes of the nucleocytoplasmic ratio are minimal. Towards the age of 5 years the number of nuclei for a given surface unit diminishes $2\frac{1}{2}$ times, and at 7 years 3 times. Between 7

Card 1/2

USSR / Human and Animal Morphology

USSR/Human and Animal Physiology (Normal and Pathological)
Physiology of Work and Sport

T

Abs Jour : Ref Zhur Biol., No 6, 1959, 27166

Author : Semenova, L.K.

Inst : Academy of Pedagogical Sciences RSFSR

Title : Capillary Reaction in School-Children after Running
Various Distances.

Orig Pub : Izv. Akad. ped. nauk RSFSR, 1958, vyp. 93, 205-215

Abstract : No abstract.

Card 1/1

SEMENOVА, L.M.

Permeability of the integuments of soil insects to salts based on a study of the larvae of *tipula paludosa* Meig. (Diptera, Tipulidae) using the tagged atom method [with summary in English]. Zool.zhur. 36 no.12:1826-1830 D '57. (MIRA 11:1)

1. Laboratoriya pochvennoy zoologii Instituta morfologii zhivotnykh, Moskva.

(Soil fauna) (Fertilizers and manures)
(Crane flies)

and
SEMENOVA, L. M.: Master Biol Sci (diss) -- "Aspects of the cuticle of soil
insects in comparison with water and ground insects". Moscow, 1958. 17 pp
(Acad Sci USSR, Inst of Animal Morphology im A. N. Severtsov), 150 copies
(KL, No 3, 1959, 109)

20-119-2-56/60

AUTHOR:

Semenova , L. M.

TITLE:

Permeability of Pupal Integuments in Melolontha melolontha
L. to Salts, as Exemplified by Na_2HPO_4 (Pronitsayemost'
pokrovov lichinok khrushchey Melolontha melolontha L. dlya
soli Na_2HPO_4)

PERIODICAL:

Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 2,
pp 389-390 (USSR)

ABSTRACT:

The integuments of the terrestrial insects have an epicuticle and are therefore impermeable to gases, water and salt solutions (ref. 9). The contrary happens with water insects. Their integuments are relatively permeable (refs. 1,7). In this respect the terrestrial insects are hardly considered. As the soil occupies a middle position with regard to surroundings (ref. 2) a relative permeability of the integuments of the terrestrial insects could be expected (ref. 3). This is actually the case with the Tipula paludosa with regard to salt solutions (refs. 5,6). The question, however, remains to be finally cleared. In the present paper the permeability will be examined by example of one of the most frequent soil pests for

Card 1/3

Permeability of Pupal Integuments in Melolontha melolontha 20-119-2-56/60
L. to Salts, as Exemplified by Na_2HPO_4

enlargement it is not perceptible.

There are 1 table and 11 references, 5 of which are Soviet.

ASSOCIATION: Institut morfologii zhivotnykh im. A. N. Severtsova
Akademii nauk SSSR (Institute of Animal Morphology imeni
A. N. Severtsov, AS USSR)

PRESENTED: December 6, 1957, by I. I. Shmal'gauzen, Member, Academy of
Sciences, USSR

SUBMITTED: November 28, 1957

Card 3/3

SEMENOVA, L.M.

Structural features of the cuticle of soil insects (as compared with water and land insects) as adaptation to environmental conditions. Zhur.ob.biol. 21 no.1:34-40 Ja-F '60. (MIRA 13:5)

1. Institut morfologii zhivotnykh imeni A.N. Severtsova.
(SOIL FAUNA) (INSECTS--ANATOMY)

SEMEKOVA, L.M.; RODIONOVA, A.N.

Specific features of the cuticle of aquatic larvae of insects as
related to their conditions of life. Zhur. ob. biol. 22 no.2:128-
135 Mr-Ap '61. (MIRA 14:5)

1. A.N.Severtzov Institute of Animal Morphology, U.S.S.R. Academy
of Sciences.

(INSECTS, AQUATIC) (LARVAE—INSECTS)
(SKIN)

MAMAYEV, B.M.; SEMENOVA, L.M.

Structural characteristics of the cuticle and cuticular formations
in larvae of xilophilous insects as adaptations for life in wood.
Zool. zhur. 40 no.3:351-358 Mr '61. (MIRA 14;3)

1. Laboratory of Soil Zoology, Institute of Animal Morphology, U.S.S.R.
Academy of Sciences, Moscow.
(Insects--Anatomy) (Epidermis) (Trees--Disease and pests)

SEMENOVA, L.M.

Relation between the structure of the cuticle in chilopods and
the conditions governing their existence. Zool. zhur. 40
no.5:686-693 '61. (MIRA 14:5)

1. Laboratory of Soil Zoology Institute of Animal Morphology
U.S.S.R Academy of Sciences, Moscow.
(Chilopoda)
(Insects—Anatomy)

SEMENOVA, L.M., kand.biolog.nauk

Structure and permeability of the cuticula of insects.
Zashch. rast. ot vred. i bol. 7 no.2:34-35 F '62. (MIRA 15:12)

1. Laboratoriya pochvennoy zoologii Instituta morfologii
zhivotnykh im. A.N. Severtseva AN SSSR, Moskva.

(Insecticides)
(Insects—Anatomy)

SEMENOVA, L.M., GILYAROV, Merkuriy S.

The evolution of arthropod cuticle

Report to be submitted for the 16th International Zoology Congress
Washington, D.C., 20-27 Aug 63

MAMAYEV, B.M.; SEMENOVA, L.M.

Morphology of the cuticle of gall midge larvae (Diptera, Cecidomyiidae).
Dokl. AN SSSR 162 no.6:1404-1407 Je '65. (MIRA 18:7)

1. Institut morfologii zhivotnykh im. A.N.Severtsova AN SSSR. Submitted September 17, 1964.

ZAKHAROVA, M.I.; IGNATOVA, M.N.; SEMENOVA, L.N.; KHATANOVA, N.A.

Investigating phase transformations in iron-vanadium and iron-chromium alloys. Issl.po zhарopr.splav. 4:263-265 '59.
(MIRA 13:5)

4 (Phase rule and equilibrium) (Iron-vanadium alloys)
(Iron-chromium alloys)

ASKAROV, M.A.; SEMENOVA, L.N.

Copolymerization of acrylonitrile with itaconic acid. Khim. i
fiz.-khim. prirod. i sint. polim. no.1:177-182 '62
(MIRA 18:1)

SEMENOVA, L.N. (Moskva)

Routh's theorem on nonholonomic systems. Prikl. mat. i mekh. 29
no.1:156-157 Ja-F '65. (MIRA 18:4)

AID P - 5381

Subject : USSR/Engineering
Card 1/1 Pub. 103 - 11/28
Authors : Semenova, L. M., and N. N. Markov
Title : Device for control of angular pitch
Periodical : Stan. i instr., 9, 28, S 1956
Abstract : The authors provide a description and illustration of the operation of the measuring instrument for the set-up of teeth in gears 40 to 300mm in diameter. One photo and 2 drawings.
Institution : Bureau of Interchangeability of the Ministry of the Machine-Tool and Instrument Industry (MS i IP).
Submitted : No date

AID P - 5383

Subject : USSR/Engineering
Card 1/1 Pub. 103 - 13/28
Authors : Semenova, L. M., and A. P. Ponomarev
Title : Mechanized routine inspection of vernier calipers
Periodical : Stan. i instr., 9, 29-30, S 1956
Abstract : The authors describe two specially designed apparatuses for inspection of manufactured vernier calipers. Two photos.
Institution : Interchangeability Bureau of the Ministry of the Machine-Tool and Instrument Industry (MS i IP) and the "Kalibr" (Caliper) plant in Moscow.
Submitted : No date

SEMENOVA, L.M.; DRAUDIN, A.T.

Semiautomatic devices for over-all dual cheking of gear wheels.
Stan. i instr. 29 no.7:23-24 J1 '58. (MIRA 11:9)
(Gearing--Testing)

SON, Yu.A.; SEMENOVA, L.M.

Instruments for measuring the pitch of precision gears. Stan. i instr.
30 no.2:23-24 F '59. (MIRA 12:3)
(Measuring instruments) (Gear cutting)

SEMENOVA, L.M., inzh.

Automatic devices for a two-profile control of spur gear
wheels. Vzaim.i tekhn. izm.v mashinostr.; mezhvuz.sbor.
no.3:372-378 '61. (MIRA 14:8)
(Gearing, Spur--Testing)

SEMENOVA, L.M.

Creating devices for an active control of gear milling.
Standartizatsiya 26 no.8:13-17 Ag '62. (MIRA 15:8)
(Gear cutting) (Automatic control)

S/121/63/000/002/009/010
D040/D112

AUTHOR: Semenova, L.M.

TITLE: Automatic instruments for measuring gears in hobbing

PERIODICAL: Stanki i instrument, no. 2, 1963, 35-37

TEXT: The design and operation are described of the 5B-8010B (BV-8010B) and 5B-4011 (BV-4011) instruments developed by the Byuro vzaimozamenyayemosti (Interchangeability Bureau) on the basis of an investigation into the effect of hob wear on gear parameters. The investigation was conducted jointly with VNII. The BV-8010B checks single-rim spur gears after generation by milling and rejects faulty gears by a command to the handling system in the transfer line; its light panel shows the kind of fault. The BV-8010B, 1160 x 1160 x 2200 mm in size, has no feedback to the milling machines, cannot automatically control re-setting, and requires a special conveyor. It is one of three modifications of the 5B-8010 (BV-8010). The other two, the BV-8010A and the BV-8010V, are for the final check-up of single-rim and double-rim spur gears in mesh with a measuring gear. The BV-8010B and the BV-8010A are now being produced by the "Kalibr" Plant for transfer lines in the automobile and tractor industry. The BV-4011, especially designed for the "5312" ENIMS gear milling machine and mounted on its

Card 1/2

SEMENOVA, L.M.

Automatic devices for controlling gear wheels during milling.
Stan. i instr. 34 no. 2:35-37 F '63. (MIRA 16:5)
(Milling machines—Numerical control)

Semenova, L.N.; TATARINOVA, T.I.

Lamps and lampshades. Zdorov'e 6 no.2:31 F '60.
(ELECTRIC LAMPS)

(MIRA 13:5)

16.6800

69944

AUTHORS: Tarasov, V. S., Docent, Vazhnov, A. I., S/105/60/000/04/002/024
Docent, Rakitskiy, Yu. V., Engineer, B007/B008
Popov, V. V., Engineer, Semenova, L. N., Engineer

TITLE: Method of Investigating Dynamic Stability on Analog Computers^{1b}

PERIODICAL: Elektrichestvo, 1960, Nr 4, pp 7 - 12 (USSR)

TEXT: The description of characteristics for the investigation of transients in 2 synchronous machines (Fig 1) working parallel to a net of infinite output over punctiformly distributed resistors is the purpose of the paper under review. It is assumed that the influence of the effective resistance of the stator circuits, and the transients caused by these resistances can be neglected. Synchronous machines with non-salient poles, with 2 symmetrical windings on the d- and q-axis, with a nonsaturated magnetic circuit, and controllable excitation are investigated. A number of successive modes of operation of the power network must be investigated to solve the problems of dynamic stability on an analog computer. The characteristics of these problems are indicated here. Formulas (1) to (10) written down under the above mentioned assumptions show that the structure of these formulas remains about the same for various modes of operation. It is therefore sufficient to set up the differential equations only for one mode of operation before the disturbance. The transition to short

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